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# **Federal Communications Commission**

WASHINGTON, D.C.

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In the Matter of	`	FEDERAL COMMUNICATIONS COMMISSION OFFICE OF THE SECRETARY
Amendment of Section 73.606(b) Table of Allotments Analog Television Broadcast Stations (Tupelo, Mississippi)	) ) )	MM Docket No. 00 RM
To: Chief, Video Services Division		

### PETITION FOR RULE MAKING

KB Prime Media LLC ("KB") and United Television, Inc. ("United"), the sole pending mutually exclusive applicants for a new NTSC facility on Channel 35, Tupelo, Mississippi, hereby jointly request that the Commission initiate a rule making proceeding to substitute and allot NTSC Channel 49 for its proposed NTSC Channel 35 at Tupelo, Mississippi at reference coordinates 33-55-37 N. and 88-33-36 W.<sup>1</sup>

As set forth in the Engineering Statement, (attached hereto as <u>Exhibit A</u>), operation on Channel 49 appears permissible with an effective radiated power ("ERP") of up to 5000 kW,

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<sup>&#</sup>x27;On November 22, 1999, the Commission opened a filing window to allow applicants for new NTSC stations to modify their proposals to eliminate potential digital television (DTV) conflicts, which was scheduled to close on March 17, 2000. See Public Notice, DA 99-2605 (released November 22, 1999). The Commission later extended the filing window until July 15, 2000. See Public Notice, DA 00-536 (released March 9, 2000). Thus, this rule making is timely filed.

utilizing a directional antenna and an antenna height above average terrain (HAAT) of 219 meters. Thus, KB and United request the following change to the NTSC Table of Allotments:

	Current	Proposed	
Tupelo, Mississippi	9, 35	9, 49	

#### **DISCUSSION**

Pursuant to the Commission's Public Notice, DA 99-2605 (released November 22, 1999), mutually exclusive applicants for a single NTSC allotment located in the freeze area are eligible to propose a substitute channel by way of a rule making in this filing window. However, the Commission requires that the applicants demonstrate that interference would be caused to a DTV facility should the requested channel change not be made. Both KB's and United's pending applications propose operation within the freeze area and thus, they are eligible to file the instant rule making. Operation on Channel 49 would eliminate any such interference, and would allow the parties to pursue ongoing efforts to introduce a new local television service to the Tupelo community.

Additionally and in accordance with the Public Notice, the proposed operation on Channel 49 complies with the Commission's minimum separation requirements specified in Section 73.610 and the DTV interference criterion specified in Section 73.623(c) of the Commission's rules. Moreover, such proposal does not adversely impact any low power television stations which filed for Class A eligibility. <u>See</u> Exhibit B.

If the proposal set forth herein is adopted, the parties agree to amend their applications to specify operation on Channel 49.

## **CONCLUSION**

For the foregoing reasons, KB and United jointly request that the Commission initiate the rule making requested herein and that it substitute NTSC Channel 49 for NTSC Channel 35 at Tupelo, Mississippi with an ERP of up to 5000 kW and an HAAT of 219 meters.

Respectfully submitted,

**KB PRIME MEDIA LLC** 

By: Version O .

David D. Oxer

Lara S. Meisner

Its Attorneys

UNITED TELEVISION, INC.

By: Marvin J. Diamond / Hym

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Its Attorney

Law Offices of Marvin J. Diamond PMB 365 464 Common Street Belmont, MA 02478 (617) 484-4171

Dated: July 13, 2000

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(202) 663-8000

Washington, D.C. 20037-1128

## **EXHIBIT A**

TECHNICAL EXHIBIT
PREPARED IN SUPPORT OF
PETITION FOR RULE MAKING TO
MODIFY THE NTSC ALLOTMENT TABLE
TUPELO, MISSISSIPPI

## Technical Narrative

This technical narrative and associated exhibits have been prepared on behalf of KB Prime Media LLC (KB), in support of a Petition for Rule Making to modify the NTSC allotment at Tupelo, Mississippi by the proposed substitution of channel 49 for channel 35.

Announces Window Filing Opportunity for Certain Pending Applications and Allotment Petitions for New Analog TV Stations", released on November 22, 1999, the FCC announced a filing window opportunity for applicants with certain pending application and allotment petitions for new analog TV stations. Specifically, applicants with pending applications for new full-service NTSC television stations on channels 2-59 at locations inside of the "TV Freeze Areas" are eligible for the filing window.

Currently, KB has a pending application (BPCT-960920LX) for operation on NTSC channel 35 from a site located within a "TV Freeze Area", and is therefore considered eligible for the filing window. The pending KB application proposes operation on TV channel 35 with a non-directional effective radiated power (ERP) of 5000 kilowatts and an HAAT of 219 meters. However, when the FCC allotted channel 35 for the DTV operation of WCBI-TV at

Tupelo, Mississippi

Columbus, Mississippi, the possible use of channel 35 at Tupelo was eliminated. Therefore, this petition for rulemaking proposes to substitute NTSC channel 49 for the channel 35 NTSC allotment at Tupelo.

NTSC channel 49 can be substituted and allotted to Tupelo, Mississippi in compliance with the principle community coverage requirements of section 73.685(a) at the following reference coordinates, Latitude 33° 55′ 37″, Longitude 88° 33′ 36″.¹ Operation on channel 49 from the proposed site appears permissible with a directional maximum effective radiated power (ERP) of 5000 kilowatts and an HAAT of 219 meters. It is noted that a directional operation is proposed in order to provide the necessary protection toward co-channel DTV station WAFF-DT at Huntsville, Alabama.

The proposed transmitter site would meet the Commission's minimum separation requirements to analog (NTSC) allotments specified in Section 73.610. The proposed channel 49 operation also complies with the FCC's interference criterion with respect to DTV allotments and authorized DTV facilities provided in Section 73.623(c). Therefore, it is proposed to modify the NTSC allotment at Tupelo with the following specifications:

State & City	NTSC Channel	NTSC ERP (kW)	Antenna HAAT (m)
MS, Tupelo	49	5000 (DA)	219

It is proposed to amend the NTSC Table of Allotments, Section 73.606(b) of the Commission's Rules, as follows:

Consulitng Engineers

Page 3

Tupelo, Mississippi

### Channel No.

CityPresentProposedTupelo, Mississippi9, 359, 49

It is proposed to allot UHF channel 49 at Latitude 33° 55′ 37″, Longitude 88° 33′ 36″. The channel 49 facility proposes operation with an antenna radiation center height above mean sea level (RCAMSL) of 292 meters, an antenna radiation center height above average terrain of 219 meters, and a directional antenna maximum ERP of 5000 kilowatts. The directional operation proposes the use of an Andrew ATW-C4 "cardioid" type antenna.

Figure 1 is a separation study toward other NTSC and DTV allotments based on a 161 kilometer "buffer". As indicated, the allotment reference point is fully-spaced to all other NTSC station's or allotments. With respect to DTV allotments, the separation requirements can be used as an indication of which DTV stations have the potential of receiving interference from the proposed channel 49 NTSC operation.

Figure 2 provides a polar graph and tabulation of the horizontal plane relative field pattern for the proposed Andrew ATW-C4 "cardioid" directional antenna.

Figure 3 provides a summary of interference and service for the proposed channel 49 NTSC allotment.

Determination of interference was made in accordance with the procedures adopted in the FCC's Second Memorandum Opinion and Order on Reconsideration of the Fifth and Sixth Report and Orders in MM Docket No. 87-268 and outlined in

The reference coordinates are also the proposed transmitter site coordinates specified in KB Communications Corporation's pending application, BPCT-960920LX.

Consuliting Engineers
Page 4

Tupelo, Mississippi

OET Bulletin No. 69.<sup>2</sup> Studies indicated that the proposed channel 49 operation would not cause prohibited interference to any DTV allotments, and therefore the proposed operation is in full compliance with the FCC's interference criterion with respect to pertinent DTV allotments.

Figure 4 is a map which depicts the City Grade (80 dBu), Grade A (74 dBu), and Grade B (64 dBu) contours for the proposed channel 49 NTSC operation. The city limits of Tupelo based on the 1990 Census data, are also shown. As indicated, all of Tupelo is located within the predicted City Grade contour. Therefore, the proposed channel 49 NTSC allotment will comply with the FCC's city coverage requirements.

## Conclusion

Channel 49 can be substituted for the current channel 35 NTSC allotment at Tupelo, in compliance with the FCC rules concerning NTSC allotment changes.

erome J. Manarchuck

du Treil, Lundin & Rackley, Inc. 201 Fletcher Avenue Sarasota, Florida 34237

January 25, 2000

The du Treil, Lundin & Rackley, Inc. DTV interference analysis program is based on the program and procedures outlined by the FCC in the Sixth Report and Order; subsequent Memorandum Opinion and Order; and FCC OET Bulletin No. 69. A nominal grid size resolution of 2 km was employed. An Alpha based processor computer system was employed. The results have been found to be in very close agreement with the results of the FCC implementation of OET Bulletin No. 69.

#### TV - TV Separation Study

Job Title : Proposed Ch. 49 Separation Buffer 161 km Zone : 2 FCC TV DB Date : 12/30/99 Channel 49 (680-686 MHz) Coordinates: 33-55-37 88-33-36 Channel ERP(kW) Latitude Bear. Dist. Call City Status St FCC File No. Zone HAAT(m) Longitude True (km) \*34(-) 34-37-02 301.1 150.56 II 0 89-58-03 30.66 SENATOBIA 119.9 30.66 ALLOC. MS -CLEAR \*34(-) 1100 34-41-42 304.4 152.73 KI II 195 89-56-13 32.83 119.9 NEW SENATOBIA CLEAR MS BPET-961001KI II 195 APP SENATOBIA \*34(-) 5000 DA 34-50-57 308.0 168.02 NEW 119 9 CLEAR MS BPET-960724KL II 195 90-00-33 48.12 APP NEW SENATOBIA \*34(-) 5000 DA 34-50-57 308.0 168.14 119.9 48.24 MS BPET-960923KG II 194 90-00-39 APP CLEAR NEW \*34(-) 138 34-50-57 308.0 168.14 SENATOBIA 119.9 CLEAR 90-00-39 48.24 APP MS BPET-960716KF II 195 \*34(-) 77.6 34-41-46 300.2 172.54 SENATOBIA 119.9 NEW 90-11-21 52.64 APP MS BPET-960701KF II 66 CLEAR 34(+) 31-52-18 205.9 252.93 - III 0 89-43-54 133.03 119.9 MAGEE 133.03 ALLOC. MS 34(+) 1510 31-49-30 207.8 262.94 5 III 98 89-51-35 143.04 119.9 CLEAR NEW MAGEE 34(+) 1510 APP MS BPCT-960920LS III 98 NEW REQUESTS A WAIVER OF FREEZE. 35(+) 5000 33-55-37 0.0 0.00  $95.7^{1}$ TUPELO APP MS BPCT-960920LX II 219 88-33-36 REQUESTS A WAIVER OF FREEZE. 35(+) II 0  $95.7^{1}$ 34-15-42 339.3 39.74 TUPELO -39.74 88-42-48 -55.96 EFFECTIVE 9-18-84 
 NEW
 TUPELO
 35(+)
 5000
 34-23-52
 330.4
 60.19

 APP
 MS
 BPCT-960920IU
 II
 257
 88-53-03
 -35.51
  $95.7^{1}$ NEW 95.7 SHORT REQUESTS A WAIVER OF FREEZE WIIQ DEMOPOLIS \*41(o) 1950 DA 32-22-01 159.4 184.69 31.4 LIC AL BLET-960221KE III 333 87-52-03 153.29 CLEAR

The channel 35 NTSC allotment will be displaced by the allotment of DTV channel 35 to station WCBI-TV, Ch. 4 at Columbus, Mississippi. This petition proposes the substitution of channel 49 for the channel 35 allotment.

## TV - TV Separation Study

Job Title :Proposed Ch. 49	Separation Buffer 161 km
Zone : 2	FCC TV DB Date : 12/30/99
Channel 49 (680-686 MHz)	Coordinates: 33-55-37 88-33-36

Status	St FCC File No. 2	Zone	HAAT (m)	Latitude Bear. Dist. Longitude True (km)	(km)
WIAT	BIRMINGHAM	42(+)	5000	33-29-02 106.4 169.89	95.7
LIC	AL BLCT-961001UP	II	421	86-48-21 74.19	CLEAR
WKDH	HOUSTON	45(+)	5000	33-47-40 253.3 51.01	31.4
CP	MS BPCT-960827KE	II	506	89-05-16 19.61	CLEAR
WAFF	HUNTSVILLE	48(-)	1170	34-42-39 64.3 205.65	87.7
LIC	AL BLCT-800724KI	II	579	86-32-07 117.95	CLEAR
ALLOC.	CARROLLTON *	'49(-) II	0	33-34-48 95.9 325.04 85-04-36 44.24	280.8 CLEAR
WDKA	PADUCAH 4	19(o) 2	2450 DA	37-23-42 355.0 386.31	280.8
LIC	KY BLCT-970616KF	II	327	88-56-23 105.51	CLEAR
KKYKTV	CAMDEN	49(-)	1510	33-16-19 260.4 391.35	280.8
CP	AR BPCT-970331LJ	II	175	92-42-11 110.55	CLEAR
ADD PETIT				33-16-19 260.4 391.35 92-42-11 110.55 FROM EL DORADO, AR	280.8 CLEAR
KKYKTV	CAMDEN	49(-)	3020	33-16-19 260.4 391.38	280.8
APP	AR BPCT-991208BG	II	175	92-42-12 110.58	CLEAR
WPXXTV	MEMPHIS	50(o)	1320	35-12-41 321.5 183.22	87.7
LIC	TN BLCT-950315KH	II	315	89-48-54 95.52	CLEAR
	CENTER POINT AL - RESTRICTION 62.9KM S		0	33-05-51 120.4 180.08 86-53-38 148.68	31.4 CLEAR
APP	JACKSON MS BPCT-961001UU STS A WAIVER OF FREE	ΙΙ	559	32-41-25 221.8 183.47 89-52-06 152.07	31.4 CLEAR
NEW	JACKSON !	51(o)	5000	32-41-25 221.8 183.47	31.4
APP		II	554	89-52-06 152.07	CLEAR

### TV - TV Separation Study

 Job Title : Proposed Ch. 49
 Separation Buffer 161 km

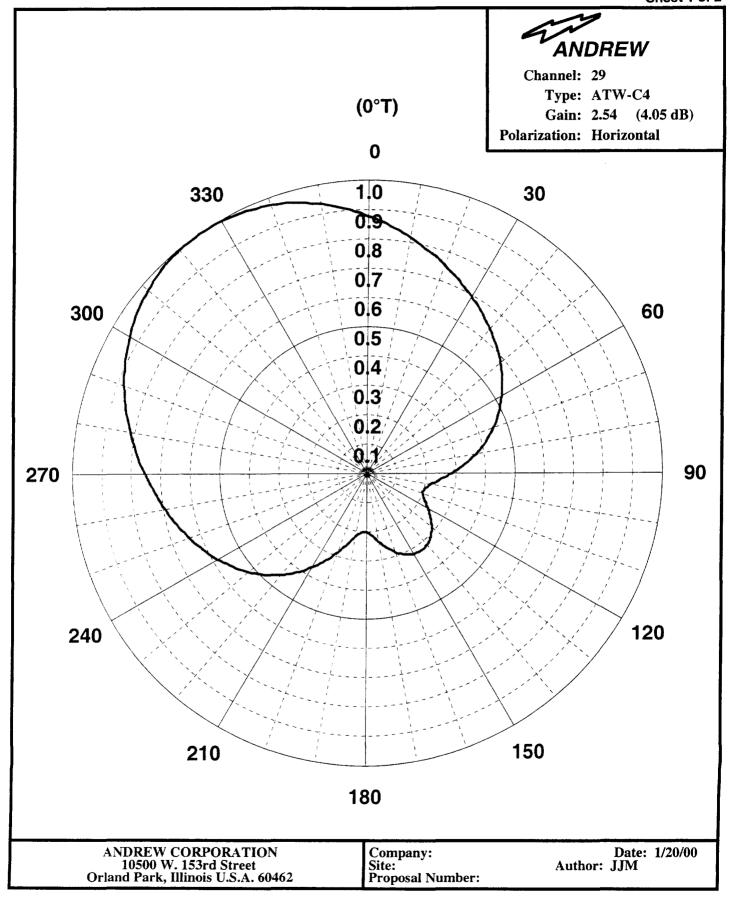
 Zone : 2
 FCC TV DB Date : 12/30/99

 Channel 49 (680-686 MHz)
 Coordinates : 33-55-37 88-33-36

Status	St FCC File No.	Zone	HAAT(m)	Latitude Bear. Dist. Longitude True (km)	(km)
NEW APP	TUSCUMBIA	52(+) N II	1510 126	34-40-46 35.3 102.73 87-54-35 71.33	31.4
ALLOC.	TUSCUMBIA AL -	52(+) II	0	34-43-54 41.2 119.41 87-41-54 88.01	31.4 CLEAR
ALLOC.	HUNTSVILLE-DECATU AL - CATION USED HUNTSVI	II	0	34-36-12 62.2 163.87 86-58-42 132.47	31.4 CLEAR
NEW APP	MEMPHIS TN BPET-961213K	*56(o) H II	3020 332	35-09-14 320.1 178.72 89-49-18 83.02	95.7 CLEAR
NEW APP	MEMPHIS TN BPET-961212K	*56(o) H II	1950 283	35-09-17 320.1 178.83 89-49-20 83.13	95.7 CLEAR
				35-12-41 321.5 183.22 89-48-54 87.52	
				35-12-41 321.5 183.22 89-48-54 87.52	
ALLOC. EFFEC	MEMPHIS TN - TIVE 11-12-96.	*56(o) II	0	35-08-58 315.3 192.55 90-02-56 96.85	95.7 CLEAR
ALLOC.	ARAB AL - TIVE 07-18-86	56(-) II	0	34-19-00 76.6 195.36 86-29-42 99.66	95.7 CLEAR
APP	ARAB AL BPCT-960722KS STS A WAIVER OF FRE	; II	5000 504	34-21-03 75.8 201.10 86-26-25 105.40	95.7 CLEAR
NEW APP				35-28-03 319.4 227.02 90-11-27 131.32	95.7 CLEAR
NEW APP	MEMPHIS TN BPET-970331LE			35-28-03 319.4 227.02 90-11-27 131.32	95.7 CLEAR
ALLOC.		64(+) II		35-27-11 51.8 279.08 86-08-20 159.18	119.9 CLEAR

## TV - DTV Separation Study

Zone :	le :Proposed Ch. 4 2 49 (680-686 MHz)	9		Coordi	Separ FCC DT nates :	ration Buf TV DB Date 33-55-37	Efer 161 km e: 12/18/98 88-33-36
Status	City St FCC File No.	Zone	HAAT(m)	Longitude	e True	(km)	(km)
DWTOKTV DTVALT	MERIDIAN MS			32-19-38 88-41-28		177.84 -66.76	
DWAFF DTVALT				34-42-39 86-32-07			
DKVTJ DTVALT				35-53-27 90-54-06			
DWXTX DTVALT	COLUMBUS GA	49 II	50 345	32-27-40 84-52-43	114.4	379.84 135.24	244.6 CLEAR
DWNTZ DTVALT				31-40-08 91-41-30			
APP	MERIDIAN MS BPCDT-991028DI AL TV; ERP AS SHOWN	) III	165				
WAFF-DT APP DIGITA	HUNTSVILLE AL BPCDT-991028DA AL TV; ERP AS SHOWN	49 A II I ON API	50 DA 571	34-42-39 86-32-07	64.3	205.65 -75.15	280.8 SHORT
APP	JONESBORO AR BPCDT-990930AS AL TV;ERP AS SHOWN	II.	295	90-31-18			
WXTX-DT APP DIGITA	COLUMBUS GA BPCDT-991027CY AL TV	49 10 II	000 DA 319	32-27-40 84-52-43	114.4	379.84 99.04	280.8 CLEAR
	NATCHEZ MS BPCDT-991027BM L TV						
APP	FORT WALTON BEACH FL BPCDT-991105AL L TV; ERP AS SHOWN	III	56	86-30-27			
DWBRCTV DTVALT	BIRMINGHAM AL						12.0/106.0 CLEAR
WBRC-DT CP DIGITA	BIRMINGHAM AL BPCDT-991004BM LTV	50 II	1000 373	33-29-19 1 86-47-58	106.2 1	70.30 82.60	87.7 CLEAR



# TECHNICAL EXHIBIT PREPARED IN SUPPORT OF PETITION FOR RULE MAKING TO MODIFY THE NTSC ALLOTMENT TABLE TUPELO, MISSISSIPPI

## Tabulation of Horizontal Relative Fields

Azimuth	Relative	Azimuth	Relative
(deg. True)	Field	(deg. True)	Field
0	0.878	180	0.199
10	0.816	190	0.217
20	0.754	200	0.286
30	0.695	210	0.371
40	0.639	220	0.452
50	0.584	230	0.523
60	0.523	240	0.584
70	0.452	250	0.639
80	0.371	260	0.695
90	0.286	270	0.754
100	0.217	280	0.816
110	0.199	290	0.878
120	0.237	300	0.933
130	0.287	310	0.975
140	0.318	320	0.997
150	0.318	330	0.997
160	0.287	340	0.975
170	0.237	350	0.933

Extra Bearing(s	5)	
325	1.000	

# TECHNICAL EXHIBIT PREPARED IN SUPPORT OF PETITION FOR RULE MAKING TO MODIFY THE NTSC ALLOTMENT TABLE TUPELO, MISSISSIPPI

## Interference and Service Summary

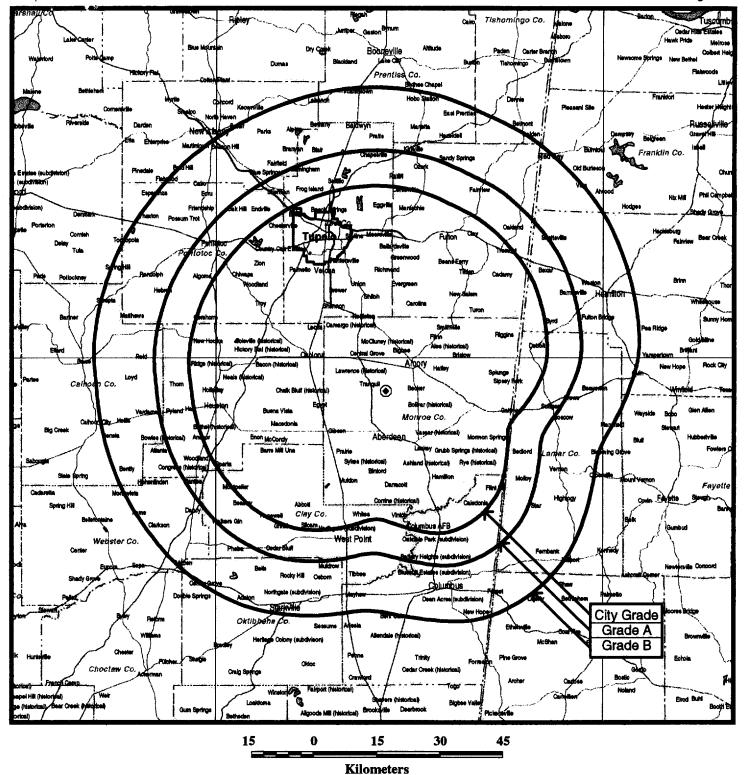
## I. Interference Caused

			Unique
Protected	FCC Service	Interference	Interference
DTV Station	Population	Population	Population*
WTOK-DT, DTV Ch. 49			
Meridian, MS (App.)	198,835	657 (0.33%)	
DWTOKTV, DTV Ch. 49			
Meridian, MS (Alt.)	290,000	1,179 (0.41%)	
WAFF-DT, DTV Ch. 49			
Huntsville, AL (App.)	795,147	3,700 (0.47%)	3,385 (0.43%)
DWAFF, DTV Ch. 49			
Huntsville, AL (Alt.)	816,000	2,192 (0.27%)	
KVTJ-DT, DTV Ch. 49			
Jonesboro, AR (App.)	674,932	932 (0.14%)	
DKVTJ, DTV Ch. 49			
Jonesboro, AR (Alt.)	256,000	318 (0.12%)	

<sup>\*</sup>Considers interference "masking" from other NTSC and DTV assignments.

### II. Service

	Population
Grade B Contour	314,148



# **FCC PREDICTED COVERAGE**

STATION NEW(TV) TUPELO, MISSISSIPPI CH 49 5000 KW (MAX-DA) 219 M

du Treil, Lundin & Rackley, Inc. Sarasota, FL

## EXHIBIT B

TECHNICAL EXHIBIT SUPPLEMENT TO THE PETITION FOR RULE MAKING TO MODIFY THE NTSC ALLOTMENT TABLE STATION NEW(TV) TUPELO, MISSISSIPPI

## Technical Narrative

This technical exhibit has been prepared on behalf of KB Prime Media LLC as a "supplement" to the Petition for Rule Making to modify the NTSC allotment at Tupelo, Mississippi by the proposed substitution of channel 49 for channel 35. The purpose is to demonstrate that the proposal will not adversely impact any LPTV stations which filed for Class A eligibility.

Figure 1A is a tabulation of all co-channel and adjacent channel LPTV stations which filed for Class A eligibility and which could be adversely impacted by the proposed channel 49 NTSC operation. Studies indicate the proposed operation on NTSC channel 49 at Tupelo will not adversely impact any of the co-channel or pertinent adjacent channel LPTV stations tabulated on Figure 1A.

W. Golfrey Hopealds

W. Jeffrey Reynolds

du Treil, Lundin & Rackley, Inc. 201 Fletcher Avenue Sarasota, Florida 34237

July 12, 2000

## Potentially Impacted Class A LPTV Stations

Call	City	Channel	ERP(kw)	Latitude	Bearing	Distance
Status	State FCC File No.	Zone	HAAT(m)	Longitude	deg-True	(km) (mile)
<del>-</del> -			<b></b> .			
W49AY	BIRMINGHAM	49(o)	.97	33-29-02	106.44	169.54 105.37
LIC	AL BLTTL-920218JN		209 max.	86-48-35		
WDGA-LP	DALTON	49(+) 1	10.4 DA	34-44-00	73.59	338.06 210.10
APP	GA BPTTL-980601NC	II	363 max.		, 5 ( 5 )	
FROM	CH 47: CALL SIGN CH	ANGED FRO	OM W47BA F	SEE. 07-01-	-98.	

## **CERTIFICATE OF SERVICE**

I, Karleen Lamie, a secretary in the law firm of Shaw Pittman, hereby certify that on this \( \frac{3}{2}\) th day of July, 2000, I caused to be served by hand delivery a copy of the foregoing "Petition for Rule Making," on the following:

John A. Karousos, Chief Allocations Branch Policy and Rules Division Mass Media Bureau Federal Communications Commission 445 12th Street, SW 3-A320 Washington, DC 20554

> <u>Harun Lanie</u> Karleen Lamie